

filed 20 July 2000 (the Parent Application) was a divisional of the Grandparent Application. The Parent Application contained a number of claims from the Grandparent Application and added new claims 81 through 465.

The instant application is a divisional of the Parent Application and contains the following claims:

223 - 237 and 247-250 from the Parent Application; and

new claims 466-510 added by the instant amendment. Independent claims 466 and 474 are claims to memory devices while independent claims 481 and 489 are systems claims, which correspond to pending claims 223 and 231, respectively. Independent claims 496 and 504 are similar to claims 223 and 231, respectively, but recite the components that make up the active reference circuit. No new matter has been added.

A complete set of the claims currently pending is enclosed herewith.

It is respectfully requested that the currently pending claims, claims 223 – 237, 247 – 250, and 466 - 510 receive an early office action on the merits.

Respectfully submitted



Edward L. Pencoske  
Reg. No. 29,688  
Thorp Reed & Armstrong, LLP  
One Oxford Centre  
301 Grant Street, 14<sup>th</sup> Floor  
Pittsburgh, PA 15219-1425  
(412) 394-7789

Attorneys for Applicants

Dated: 22 August 2001